

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1103	228/2.1,112.1.ccls.	US_PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/21 14:52
L2	1	friction near2 stir\$3 near2 weld\$3 same hummer same stopper	US_PGPUB; USPAT	OR	ON	2009/07/21 14:52
L3	0	1 and friction near2 stir\$3 near2 weld\$3 and hummer same stopper	US_PGPUB; USPAT	OR	ON	2009/07/21 14:53
L4	0	1 and friction near2 (stir\$3 or churm) near2 weld\$3 and hummer same fulcrum	US_PGPUB; USPAT	OR	ON	2009/07/21 14:54
S1	1019	228/2.1,112.1.ccls.	US_PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 15:56
S2	74	S1 and friction near5 (stir \$3 or spot or churn\$3) near5 weld\$3 same tilt\$3	US_PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 16:03
S3	0	S1 and ball near5 spring near10 belt same driv\$3 near5 (tool or head or pin or probe)	US_PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 17:51
S4	0	S1 and spring near10 belt same (driv\$3 or mov\$3) near5 (tool or head or pin or probe)	US_PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 17:51

S5	0	S1 and spring near10 belt same (driv\$3 or mov\$3) same weld\$3 near10 (tool or head or pin or probe)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 17:52
S6	62	spring near10 belt same (driv\$3 or mov\$3) same weld\$3 near10 (tool or head or pin or probe)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 17:53
S7	0	S6 and "228".clas. and @ad<"20050316"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 17:53
S8	14	S6 and @ad<"20050316"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/07 17:53
S9	2	("5605276").PN.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/08/08 13:03
S10	1046	228/2.1,112.1.ccls.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 08:26
S11	20	friction near5 (stir\$3 or churn\$3) same weld\$3 and motor same spring	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 08:28
S12	1	friction near5 weld\$3 and ball near5 spring same (belt or pulley) same motor	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 08:38

S13	890	motor same ball near5 spring same (belt or pulley)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 09:04
S14	122	S13 and weld\$3	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 09:05
S15	9	weld\$3 and hummer and stopper	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 09:13
S16	12	(friction or spot) near5 weld\$3 and hummer	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 09:15
S17	11	S16 not S15	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 09:15
S18	2886	(friction or spot) near5 weld\$3 and yoke	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 09:19
S19	53	S18 and "228"/\$.cds. and @ad<"20040319"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 09:20
S20	2	jp-2001314982-\$ did.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 09:28

S21	3	("6823713").PN.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/09 09:28
S22	2	("6832713").PN.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/09 09:29
S23	30	("20030029903"   "3429306"   "3503379"   "5460317"   "5697544"   "5813592"   "5893507"   "5964233"   "6045027"   "6045028"   "6050474"   "6050475"   "6053391"   "6102031"   "6164273"   "6192878"   "6247633"   "6299050"   "6302315"   "6325273"   "6367681"   "6536651"   "6585443"   "6601751"   "6604667"). PN, OR ("6832713"). URPN.	US-PGPUB; USPAT; USOOR	OR	ON	2008/12/09 09:30
S24	1	(friction or spot) near5 (weld\$3 or join\$3) and motor near10 ball adj spring same (belt or pulley) and rotat\$4	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 09:55
S25	1	motor near10 ball adj spring same (belt or pulley) and rotat\$4	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 09:55
S26	9	("2003/0029903").URPN.	USPAT	OR	ON	2008/12/09 09:58
S27	1	(friction or spot) near5 (weld\$3 or join\$3) and ball adj spring same (belt or pulley) and rotat\$4	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 10:02
S28	2	jp-2001314983-.did.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 10:33

S29	4	("6601571").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/09 10:33
S30	4	("6601751").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/09 10:34
S31	2	jp-2002137070-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 10:35
S32	2	("6645132").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/09 10:36
S33	2	jp-2001314982-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 10:37
S34	4	("6325273"   "6419142"   "6421578"   "6450395"). PN. OR ("6715665"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/09 10:42
S35	103663	rotat\$ same (shaft or rod) and (hummer or yoke)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 11:04
S36	10366	weld\$ same rotat\$4 same (shaft or rod) and (hummer or yoke)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 11:04
S37	214	S36 and "228"\$.ccs.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 11:05

S38	910	hirano-satoshi.in. or aota-kinya.in. or inagaki-masahisa.in. or okamoto-kazutaka.in. or odakura-tomio.in.	US-PPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 11:09
S39	236	S38 and (friction or spot) near5 (weld\$3 or join\$3)	US-PPGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/09 11:11

**EAST Search History (Interference)**

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7/21/2009 2:55:46 PM

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